L Number	Hits	Search Text	DB	Time stamp
1	0	mjt.ti,ab,clm. and bit adj line and word adj line and memory adj cell	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/15 17:23
2	173	(magnetic adj tunnel adj junction mjt) and bit adj line and word adj line and memory adj cell	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/15 17:24
3	68	(magnetic adj tunnel adj junction mjt) and bit adj line and word adj line and memory adj cell and memory adj2 device.ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/15 17:25
4	11	(magnetic adj tunnel adj junction mjt) and bit adj line and word adj line and memory adj cell and memory adj2 device.ti,ab,clm. and reference adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/15 17:36
5	6	(magnetic adj tunnel adj junction mjt) and bit adj line and word adj line and memory adj cell and memory adj2 device.ti,ab,clm. and reference adj layer and read adj line	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/15 17:37
7	7	(magnetic adj tunnel adj junction mjt) and bit adj line and word adj line and memory adj cell and memory adj2 device.ti,ab,clm. and reference adj layer and read near6 line	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/15 17:38
6	11	(magnetic adj tunnel adj junction mjt) and bit adj line and word adj line and memory adj cell and memory adj2 device.ti,ab,clm. and reference adj layer and read	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/15 17:57
8	6	bit adj line and word adj line and memory adj cell and memory adj2 device.ti,ab,clm. and reference adj layer and read adj line	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/15 18:53
9	1883	((257/30) or (257/427) or (365/158) or (365/171) or (365/172) or (365/173) or (360/113) or (360/324) or (360/343) or (360/344) or (360/345) or (360/346) or (360/347)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/15 18:57
10	5	(((257/30) or (257/427) or (365/158) or (365/171) or (365/172) or (365/173) or (360/113) or (360/324) or (360/343) or (360/344) or (360/345) or (360/346) or (360/347)).CCLS.) and reference adj layer and data adj layer and (mjt or magnetic adj tunnel$3 adj junction)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/15 18:58
-	714	(257/295).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/15 12:13
-	0	("mram.ti,ab.").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 13:13
-	276	mram.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 13:21

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-	988	((257/295).CCLS.) or mram.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 13:21
-	873	magnetic adj memory adj device	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 13:32
-	4	(((257/295).CCLS.) or mram.ti,ab. or (magnetic adj memory adj device)) and (ferrimagnetic or ferrimagnet) adj (layer or film)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 13:38
-	8	(((257/295).CCLS.) or mram.ti,ab. or (magnetic adj memory adj device)) and (ferrimagnetic or ferrimagnet) adj2 (layer or film)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 14:56
-	1	(((257/295).CCLS.) or mram.ti,ab. or (magnetic adj memory adj device)) and (ferrimagnetic or ferrimagnet) adj2 (layer or film) same orient$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 15:06
-	1846	((257/295).CCLS.) or mram.ti,ab. or (magnetic adj memory adj device)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 17:14
-	2	(((257/295).CCLS.) or mram.ti,ab. or (magnetic adj memory adj device)) and data adj (layer or film) near15 (magnetization or magnetisation or magnetized or magnetised) near15 (turn or turning or orientation or orient or oriented)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 15:51
-	1	(((257/295).CCLS.) or mram.ti,ab. or (magnetic adj memory adj device)) and data adj (layer or film) near15 (magnetization or magnetisation or magnetized or magnetised) near15 (turn or turning or orientation or orient or oriented) and coercivity	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 15:59
-	0	(((257/295).CCLS.) or mram.ti,ab. or (magnetic adj memory adj device)) and data adj (layer or film) near15 (magnetization or magnetisation or magnetized or magnetised) near15 (turn or turning or orientation or orient or oriented) and coercivity and ferrimagnetic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 17:01
-	719	((257/295).CCLS.) or (magnetic adj memory adj device) and af adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 17:17
-	44	(365/172).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 17:35
-	283	(365/173).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 17:35

-	804	((365/171) or (365/172) or (365/173)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 18:02
-	0	(((365/171) or (365/172) or (365/173)).CCLS.) and (antiferrimagnetic or af) adj (layer of film) and (magnetic adj memory) and coercivity and (data adj storage near3 (layer or film))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 18:08
-	4	(((365/171) or (365/172) or (365/173)).CCLS.) and (antiferrimagnetic or af) adj (layer of film) and (magnetic adj memory) and coercivity	USPAT; US-PGPUB	2002/05/15 18:10
-	4	(((365/171) or (365/172) or (365/173)).CCLS.) and (antiferrimagnetic or af) adj (layer of film) and (magnetic adj memory) and coercivity and (angle or orient or orientation or oriented or turn or turned or turning or rotate or rotated or rotation)	USPAT; US-PGPUB	2002/05/15 19:32
-	0	(((365/171) or (365/172) or (365/173)).CCLS.) and ((synthetic adj ferrimagnetic or sf or artificial adj ferrimagnetic) near6 (layer or film))	USPAT; US-PGPUB	2002/05/15 18:31
-	0	(((365/171) or (365/172) or (365/173)).CCLS.) and (synthetic adj ferrimagnetic or sf or artificial adj ferrimagnetic)	USPAT; US-PGPUB	2002/05/15 18:31
-	23	(synthetic adj ferrimagnetic or sf or artificial adj ferrimagnetic) and (mram or magnetic adj memory)	USPAT; US-PGPUB	2002/05/15 18:36
-	2	(synthetic adj (ferrimagnet or ferrimagnetic) or sf or artificial adj ferrimagnetic) and (mram or magnetic adj memory).ti,ab.	USPAT; US-PGPUB	2002/05/15 18:38
-	4	(((365/171) or (365/172) or (365/173)).CCLS.) and (antiferrimagnetic or femn or af) adj (layer of film) and (magnetic adj memory) and coercivity and (angle or orient or orientation or oriented or turn or turned or turning or rotate or rotated or rotation)	USPAT; US-PGPUB	2002/05/15 19:44
-	4	(antiferrimagnetic or femn or af) adj (layer of film) and (magnetic adj memory) and coercivity and (angle or orient or orientation or oriented or turn or turned or turning or rotate or rotated or rotation)	USPAT; US-PGPUB	2002/05/15 19:46
-	4	(antiferrimagnetic or femn or af) adj (layer of film) and (magnetic adj memory) and coercivity and (angle or orient or orientation or oriented or turn or turned or turning or rotate or rotated or rotation)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 19:48
-	4	(antiferrimagnetic or femn or af) adj (layer of film) and (magnetic adj memory) and coercivity	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 19:48
-	17	(antiferrimagnetic or femn or af) and (magnetic adj memory) and coercivity	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 19:51
-	8934	(antiferrimagnetic or femn or af) and (hs mtj or hard-soft adj mtj)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 19:52

–		1	(antiferrimagnetic or femn or af) and (hs adj mtj or hard-soft adj mtj)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 21:17
–		1	"5966012".PN.	USPAT	2002/05/15 20:52
–		1	"5841692".PN.	USPAT	2002/05/15 20:55
–		1	"5801984".PN.	USPAT	2002/05/15 20:56
–		1	"5055158".PN.	USPAT	2002/05/15 20:57
–		1	"5055158".PN.	USPAT	2002/05/15 20:58
–		1	(antiferromagnetic or femn or af) and (hs adj mtj or hard-soft adj mtj)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 17:17
–		2	("5605958").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 21:24
–		3	("5650958").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 22:05
–		77	magnetic adj memory and spacer adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 22:29
–		0	magnetic adj memory and (spacer adj layer near12 sf)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 22:30
–		77	magnetic adj memory and spacer adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/15 22:48
–		7	magnetic adj memory and (spacer adj layer near5 antiferromagnetic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 07:45
–		3	magnetic adj memory and (spacer adj layer near5 antiferromagnetic) and (spacer near12 different)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 08:01
–		0	(spacer near12 antiferromagnetic near12 different) and magnetic adj2 memory	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 08:02
–		5	spacer near12 antiferromagnetic near12 different	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 08:45
–		295	(365/158).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 08:45

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–	602	(365/171).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 08:46
–	44	(365/172).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 08:46
–	283	(365/173).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 08:46
–	3429	(365/174).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 08:46
–	431	(257/30).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 08:47
–	4807	((365/158).CCLS.) or ((365/171).CCLS.) or ((365/172).CCLS.) or ((365/173).CCLS.) or ((365/174).CCLS.) or ((257/30).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 08:47
–	179	spacer and coercivity and antiferromagnetic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 08:48
–	11	(((365/158).CCLS.) or ((365/171).CCLS.) or ((365/172).CCLS.) or ((365/173).CCLS.) or ((365/174).CCLS.) or ((257/30).CCLS.)) and (spacer and coercivity and antiferromagnetic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 13:56
–	5	((((365/158).CCLS.) or ((365/171).CCLS.) or ((365/172).CCLS.) or ((365/173).CCLS.) or ((365/174).CCLS.) or ((257/30).CCLS.)) and (spacer and coercivity and antiferromagnetic)) and @pd<20000104	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 14:30
–	0	mtj adj mr and world adj line and bottom adj electrode	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 14:31
–	0	mtj adj mr and world adj line	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 14:32
–	1	mtj adj mr and word adj line	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 14:33
–	7	"6114719"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 15:30
–	3	mtj and (current near12 (magnetization or magnetized)) near12 (perpendicular or orthogonal)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 16:37

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–	0	"not pinned" and (mram or mtj)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 16:44
–	0	"not pinned" and (mram or mtj or magneto-resistive or af adj layer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 16:45
–	178	(hard same soft) and (mram or mtj or magneto-resistive or af adj layer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 16:47
–	0	(soft-soft) and (mram or mtj or magneto-resistive or af adj layer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 16:47
–	0	soft-soft and (mtj or mram or magneto-resistive)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 16:49
–	11	soft-soft	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 16:50
–	0	soft-soft and magnetic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 16:50
–	3	mtj and second adj free	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 20:54
–	17	(spacer near12 (ru or ruthenium)) near12 (af adj layer reference adj layer or data adj layer or sens$3 adj layer or pinned adj2 layer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/16 22:40
–	3	(("5640343") or ("6269018") or ("5966012")).PN.	USPAT	2002/05/16 23:13
–	431	(257/30).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/17 08:31
–	68	magnetic and ((257/30).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/17 08:32
–	16850	117/$6.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/17 09:40
–	1	electronic adj component and (rhombohedral adj crystal near12 c-axis)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/17 09:13

-	1	(rhombohedral adj crystal near12 c-axis) and 257/$6.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/17 09:14
-	25	sapphire adj substrate.ti,ab. and c-axis.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/17 09:32
-	0	sapphire adj substrate.ti,ab. and c-axis.ti,ab. and 117/$6.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/17 09:32
-	6	117/$6.ccls. and rhombohedral.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/17 09:42
-	1	117/$6.ccls. and rhombohedral.ti,ab. and sapphire and semiconductor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/17 09:45
-	6	148/$6.ccls. and rhombohedral and c-axis	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/17 09:46
-	2	148/$6.ccls. and rhombohedral and c-axis and nitride	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/17 09:51
-	337	117/950.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/17 09:51
-	9	117/950.ccls. and rhombohedral	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/17 09:52
-	54	pinned near20 reference adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 09:00
-	5	mack.in. and gao.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 09:07
-	0	transverse adj (bias or biased) near15 reference adj layer.ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 09:08
-	2	transverse adj (bias or biased) near15 reference adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 10:36
-	2	("5949623").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 10:40

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-	6	amr adj sensor and (AF or antiferromagnetic or ferrimagnetic) and reference adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 10:56
-	25	ni-fe-nb and (antiferromagnetic or ferrimagnetic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 10:57
-	0	(sf or synthetic) near2 (ferrimagnet or ferrimagnetism) and (mtj or magnetic) near3 (sensor or sensing adj device) and reference adj (layer or film)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 17:22
-	5	(sf or synthetic) near2 (antiferromagnetism or af or afm or antiferromagnet or anti-ferromagnet or ferrimagnet or ferrimagnetism) and (mtj or magnetic) near3 (sensor or sensing adj device) and reference adj (layer or film)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 19:27
-	0	activat$3 near6 current near12 (amr or anisotropic adj magnetoresistive)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 19:28
-	5	activat$3 near6 current near12 (amr or anisotropic adj magnetoresistive or magneto-resistive)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 19:33
-	0	soft near3 reference adj layer near12 (sf or artificial)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 19:34
-	1	soft near3 reference adj layer and (sf or artificial)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 20:03
-	0	soft near3 reference adj layer and (sf or artificial) and (ferrimagnetic or anti-ferromagnetic or antiferromagnetic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 19:43
-	2	("5966012").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 20:13
-	137	(synthetic or artificial or sf) near6 (anti-ferromagnetic or antiferromagnetic or ferrimagnetic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 20:15
-	36	(synthetic or artificial or sf) near6 (anti-ferromagnetic or antiferromagnetic or ferrimagnetic) and (magnetic near6 (sensor or sensing)).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 20:15
-	43	((synthetic or artificial or sf) near6 (anti-ferromagnetic or antiferromagnetic or ferrimagnetic) or saf) and (magnetic near6 (sensor or sensing)).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 20:34
-	21	((synthetic or artificial or sf) near6 (anti-ferromagnetic or antiferromagnetic or ferrimagnetic) or saf) and (magnetic near6 (sensor or sensing)).ti,ab,clm. and insulat$3 adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 20:36

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-		0	((synthetic or artificial or sf) near6 (anti-ferromagnetic or antiferromagnetic or ferrimagnetic) or saf) and (magnetic near6 (sensor or sensing)).ti,ab,clm. and insulat$3 adj layer near12 spacer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 20:36
-		5	((synthetic or artificial or sf) near6 (anti-ferromagnetic or antiferromagnetic or ferrimagnetic) or saf) and (magnetic near6 (sensor or sensing)).ti,ab,clm. and insulat$3 adj layer and spacer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/25 20:41
-		7	((synthetic or artificial or sf) near6 (anti-ferromagnetic or antiferromagnetic or ferrimagnetic) or saf) and (magnetic near6 (sensor or sensing)).ti,ab,clm. and insulat$3 adj layer and tunnel$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 18:39
-		2340	((257/30) or (257/295) or (365/158) or (365/171) or (365/172) or (365/173)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 08:32
-		0	(((257/30) or (257/295) or (365/158) or (365/171) or (365/172) or (365/173)).CCLS.) and reference adj layer near15 (sf or artificial or synthetic or saf) and magnetic.ti,ab,clm. and (sensor or sensing).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 08:35
-		16	(((257/30) or (257/295) or (365/158) or (365/171) or (365/172) or (365/173)).CCLS.) and (pinned or pinning or reference) adj layer near15 (sf or artificial or saf or antiferromagnetic or anti-ferromagnetic) and magnetic.ti,ab,clm. and (sensor or sensing).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 11:01
-		118	(257/427).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 09:30
-		0	((257/427).CCLS.) and reference adj layer and (anti-ferromagnetic or antoferromagnetic) and (artificial or sf or saf or synthetic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 09:33
-		0	((257/427).CCLS.) and reference adj layer and (anti-ferromagnetic or antiferromagnetic or ferrimagnetic) and (artificial or sf or saf or synthetic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 09:33
-		0	((257/427).CCLS.) and reference adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 09:34
-		1	((257/427).CCLS.) and (fixed or reference or pinning) adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 09:34
-		1	((257/427).CCLS.) and (fixed or reference or pinning or pinned) adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 09:36

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| | 159 | (US-5145741-$ or US-5235195-$ or US-5260593-$ or US-5293560-$ or US-5407845-$ or US-5298796-$ or US-5415126-$ or US-5455432-$ or US-5477485-$ or US-5530581-$ or US-5557114-$ or US-5580380-$ or US-5562769-$ or US-5604357-$ or US-5654208-$ or US-5623442-$ or US-5714766-$ or US-5670790-$ or US-6114719-$ or US-5986858-$ or US-6185080-$ or US-6243288-$ or US-6259586-$ or US-6396734-$ or US-5852306-$ or US-4460670-$).did. or (US-4462150-$ or US-4657699-$ or US-4738729-$ or US-4769686-$ or US-4841349-$ or US-4893273-$ or US-5049950-$ or US-5111430-$ or US-5740104-$ or US-5754477-$ or US-5789276-$ or US-5846859-$ or US-5877041-$ or US-5786250-$ or US-5698869-$ or US-5858811-$ or US-5976926-$ or US-6031263-$ or US-6084248-$ or US-6093937-$ or US-6099574-$ or US-6130147-$ or US-6144581-$ or US-6163066-$ or US-6166401-$ or US-6373247-$ or US-6462919-$).did. or (US-5949623-$ or US-6404674-$ or US-6469878-$ or US-5289408-$ or US-6201259-$ or US-5408377-$ or US-6108177-$ or US-5966012-$ or US-6178112-$ or US-6205052-$ or US-6197439-$ or US-5640343-$ or US-5793697-$ or US-6166948-$ or US-6236590-$ or US-6306691-$ or US-6313482-$ or US-6365919-$ or US-5371383-$ or US-5719410-$ or US-5886368-$ or US-4826778-$ or US-5039354-$ or US-5056897-$ or US-5159424-$ or US-5260560-$ or US-5369040-$).did. or (US-5451798-$ or US-5734181-$ or US-6166319-$ or US-6383576-$ or US-5393999-$ or US-5449941-$ or US-5629222-$ or US-5801401-$ or US-5989958-$ or US-6344663-$ or US-4849797-$ or US-4113515-$ or US-4473836-$ or US-5465249-$ or US-5539217-$ or US-5661312-$ or US-5798548-$ or US-6011279-$ or US-6049110-$ or US-6075259-$ or US-6249020-$ or US-4451391-$ or US-4768072-$ or US-6309907-$ or US-5061976-$ or US-5898197-$ or US-6351411-$).did. or (US-5625217-$ or US-6018166-$ or US-4507673-$ or US-5886379-$ or US-5907775-$ or US-6034001-$ or US-5557122-$ or US-5866930-$ or US-5808336-$ or US-5508543-$).did. or (US-20010030887-$ or US-20020101692-$ or US-20020017647-$ or US-20020018323-$ or US-20020085323-$ or US-20020131219-$ or US-20020154539-$ or US-20020033521-$ or US-20020041514-$ or US-20020036919-$ or US-20020036331-$ or US-20010032997-$ or US-20010049183-$ or US-20020024050-$).did. or (US-5585986-$ or EP-291951-$ or EP-681333-$).did. or (JP-60242678-$ or JP-60184681-$ or JP-08255878-$ or JP-07226507-$ or JP-06302828-$ or JP-04056769-$ or JP-62122275-$ or JP-63181473-$ or JP-01115162-$ or JP-03269922-$ or JP-53389980-$ or JP-57126175-$ or JP-04061170-$ or JP-56056677-$ or JP-03303564-$ or JP-03222367-$ or JP-06224431-$).did. or | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/11/26 11:02 |

| | | 7 | ((US-5145741-$ or US-5235195-$ or US-5260593-$ or US-5293560-$ or US-5407845-$ or US-5298796-$ or US-5415126-$ or US-5455432-$ or US-5477485-$ or US-5530581-$ or US-5557114-$ or US-5580380-$ or US-5562769-$ or US-5604357-$ or US-5654208-$ or US-5623442-$ or US-5714766-$ or US-5670790-$ or US-6114719-$ or US-5986858-$ or US-6185080-$ or US-6243288-$ or US-6259586-$ or US-6396734-$ or US-5852306-$ or US-4460670-$).did. or (US-4462150-$ or US-4657699-$ or US-4738729-$ or US-4769686-$ or US-4841349-$ or US-4893273-$ or US-5049950-$ or US-5111430-$ or US-5740104-$ or US-5754477-$ or US-5789276-$ or US-5846859-$ or US-5877041-$ or US-5786250-$ or US-5698869-$ or US-5858811-$ or US-5976926-$ or US-6031263-$ or US-6084248-$ or US-6093937-$ or US-6099574-$ or US-6130147-$ or US-6144581-$ or US-6163066-$ or US-6166401-$ or US-6373247-$ or US-6462919-$).did. or (US-5949623-$ or US-6404674-$ or US-6469878-$ or US-5289408-$ or US-6201259-$ or US-5408377-$ or US-6108177-$ or US-5966012-$ or US-6178112-$ or US-6205052-$ or US-6197439-$ or US-5640343-$ or US-5793697-$ or US-6166948-$ or US-6236590-$ or US-6306691-$ or US-6313482-$ or US-6365919-$ or US-5371383-$ or US-5719410-$ or US-5886368-$ or US-4826778-$ or US-5039354-$ or US-5056897-$ or US-5159424-$ or US-5260560-$ or US-5369040-$).did. or (US-5451798-$ or US-5734181-$ or US-6166319-$ or US-6383576-$ or US-5393999-$ or US-5449941-$ or US-5629222-$ or US-5801401-$ or US-5989958-$ or US-6344663-$ or US-4849797-$ or US-4113515-$ or US-4473836-$ or US-5465249-$ or US-5539217-$ or US-5661312-$ or US-5798548-$ or US-6011279-$ or US-6049110-$ or US-6075259-$ or US-6249020-$ or US-4451391-$ or US-4768072-$ or US-6309907-$ or US-5061976-$ or US-5898197-$ or US-6351411-$).did. or (US-5625217-$ or US-6018166-$ or US-4507673-$ or US-5886379-$ or US-5907775-$ or US-6034001-$ or US-5557122-$ or US-5866930-$ or US-5808336-$ or US-5508543-$).did. or (US-20010030887-$ or US-20020101692-$ or US-20020017647-$ or US-20020018323-$ or US-20020085323-$ or US-20020131219-$ or US-20020154539-$ or US-20020033521-$ or US-20020041514-$ or US-20020036919-$ or US-20020036331-$ or US-20010032997-$ or US-20010049183-$ or US-20020024050-$).did. or (US-5585986-$ or EP-291951-$ or EP-681333-$).did. or (JP-60242678-$ or JP-60184681-$ or JP-08255878-$ or JP-07226507-$ or JP-06302828-$ or JP-04056769-$ or JP-62122275-$ or JP-63181473-$ or JP-01115162-$ or | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/11/26 12:14 |

JP-03249192-$ or JP-63289960-$ or JP-57126175-$ or JP-04061170-$ or JP-56056677-$ or JP-08303564-$ or JP-03222367-$ or JP-06224431-$).did. or

-	0	(360/113).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 13:48
--	100	(360/324).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 13:49
-	7	(360/325).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 13:49
-	14	(360/326).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 13:49
-	49	(360/327).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 13:49
-	0	(360/113).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 13:49
-	166	((360/324).CCLS.) or ((360/325).CCLS.) or ((360/326).CCLS.) or ((360/327).CCLS.) or ((360/113).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 13:49
-	0	(((360/324).CCLS.) or ((360/325).CCLS.) or ((360/326).CCLS.) or ((360/327).CCLS.) or ((360/113).CCLS.)) and reference adj layer and magnetic adj (sensor or sensing)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 13:51
-	0	(((360/324).CCLS.) or ((360/325).CCLS.) or ((360/326).CCLS.) or ((360/327).CCLS.) or ((360/113).CCLS.)) and reference adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 13:51
-	30	(((360/324).CCLS.) or ((360/325).CCLS.) or ((360/326).CCLS.) or ((360/327).CCLS.) or ((360/113).CCLS.)) and (fixed or pinned or pinning) adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 14:22
-	25	((((360/324).CCLS.) or ((360/325).CCLS.) or ((360/326).CCLS.) or ((360/327).CCLS.) or ((360/113).CCLS.)) and (fixed or pinned or pinning) adj layer) and (anti-ferromagnetic or antiferromagnetic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 14:23
-	23	((((360/324).CCLS.) or ((360/325).CCLS.) or ((360/326).CCLS.) or ((360/327).CCLS.) or ((360/113).CCLS.)) and (fixed or pinned or pinning) adj layer) and (anti-ferromagnetic or antiferromagnetic) and magnetic near3 (sensing or sensor)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 14:30
-	13	((((360/324).CCLS.) or ((360/325).CCLS.) or ((360/326).CCLS.) or ((360/327).CCLS.) or ((360/113).CCLS.)) and (fixed or pinned or pinning) adj layer) and (anti-ferromagnetic or antiferromagnetic) and magnetic near3 (sensing or sensor) and (insulation or insulating or dielectric) adj (layer or film)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 14:31

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-	0	("lai.in. and synthetic adj antiferromagnetic").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 18:34
-	2	lai.in. and synthetic adj antiferromagnetic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 18:34
-	2	("5949623").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/26 18:39
-	0	(sf or synthetic adj ferrimagnetic) near12 reference adj layer near12 (pin or pinned or un-pinned or unpinned)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/07 16:36
-	65	reference adj layer near12 (pin or pinned or un-pinned or unpinned)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/07 16:38
-	7	reference adj layer near12 (pin or pinned or un-pinned or unpinned) and ferrimagnetic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/07 18:04
-	2	("5966012").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/07 18:04
-	2	("5949623").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/07 18:04
-	205	(seed or template) adj (layer or film) and reference adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/08 11:51
-	3	(seed or template) adj (layer or film) near6 reference adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/08 11:51
-	9	magneto-resistive.ti,ab,clm. and reference adj layer near15 (pin pinned un-pinned unpinned)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/15 12:25
-	39	(magnetic adj tunnel adj junction MTJ) and reference adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/15 13:03
-	1	("6576969").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/15 12:35
-	300	(magnetic adj tunnel adj junction MTJ) and (ferrimagnetic reference) adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/15 13:04

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-	186	(magnetic adj tunnel adj junction MTJ) and (ferromagnetic reference) adj layer near12 direction	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/15 13:50
-	102	pinning adj layer and (mtj or magneto-resistive)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/15 13:52
-	5	(orient oriented oritentation) near12 pinning adj layer and (mtj or magneto-resistive)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/06/15 17:22

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